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 TI Method for the manufacture of asbestos-free shaped products  
 IN Ausborn, Juergen; Brack, Klaus Dieter; Pelzer, Reimund; Roewer, Lutz;  
 Schmidt, Werner; Schubert, Baerbel  
 PA VEB Kombinat Bauelemente und Faserbaustoffe, Ger. Dem. Rep.  
 SO Ger. (East), 3 pp.  
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 DT Patent  
 LA German  
 IC ICM C04B014-20  
 CC 58-4 (Cement, Concrete, and Related Building Materials)  
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DD 253421	ICM	C04B014-20

AB In the manuf. of asbestos-free shaped product from a mixt. of hydraulic binders, org. fibers such as cellulose, and optionally, inorg. fibers and fillers, the mixt. contains waste mica. These products have min. swelling-shrinking values, and can be produced without autoclave hardening. The mixts. contain cement 70-90, e.g., 80, cellulose fibers 3-8, e.g., 8, synthetic fibers 1-2, e.g., 2, and micaceous waste (diam. 1 mm) 2-30, e.g., 10 wt.%. An aq. 25% suspension of the mica and cement (and fibers) is prepd. and the dewatering follows by the Hatschek process. The resulting plates have bulk d. 1600 kg/m<sup>3</sup>, bending strength 20 N/mm<sup>2</sup>, and swelling-shrinking value 2 mm/m, vs. 1600 kg/m<sup>3</sup>, 20 N/mm<sup>2</sup>, and 5 mm/m.  
 ST mica waste cement fiber plate; cellulose fiber micaceous waste  
 IT Cement  
 (binder, plates contg., with waste mica for low swelling-shrinking value)